

Appendix 1-4: Comprehensive Everglades Restoration Plan Annual Report – 470 Report

Wanda Caffie-Simpson, Matthew Morrison and Greg Rogers

Contributors: Sheryl Boutin¹, Angela Carney²,
Bonnie Lawhon² and Deinna Nicholson³

INTRODUCTION

The Comprehensive Everglades Restoration Plan (CERP) Annual Report (also known as the CERP 470 Report) is required to provide oversight and accountability for financial commitments under the Everglades restoration legislation, and to record progress of the CERP implementation, in accordance with Section 373.470(7), Florida Statutes (F.S.). This report is prepared annually by the South Florida Water Management District (SFWMD or District) in cooperation with the Florida Department of Environmental Protection (FDEP), and is made available to the legislature and public as part of the *2015 South Florida Environmental Report (SFER) – Volume I*. The CERP Annual Report fulfills statutory reporting requirements, providing CERP financial updates for Fiscal Year 2014 (FY2014) (October 1, 2013–September 30, 2014) and the status on the CERP implementation. The report is divided into three parts (A, B, and C), paralleling the content requirement outlined in the statute.

Similar to previous SFERs, Parts (A) and (B) in this year's report provide an update on District and FDEP fund appropriations, revenues, and expenditures related to the CERP Program. Information is provided on the Florida Forever Trust Fund, the Save Our Everglades Trust Fund, and other funding sources used for CERP projects, components, features; or facilities that benefit CERP. Additionally, itemized expenditures related to CERP implementation are presented, along with the purpose for which the funds were expended, the unencumbered fund balance remaining for CERP implementation, and the schedule of anticipated expenditures for the next fiscal year (FY2015). As FDEP fund appropriations, revenues, and expenditures reflect the Save Our Everglades Trust Fund in its entirety, funding used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP) is also included. Reporting information for NEEPP is presented in Appendix 1-6 of this volume.

Part (C) in this year's report provides an overview of the CERP implementation by reviewing the progression of each project or component through the CERP implementation process. Additionally, highlights of key CERP activities occurring during the reporting cycle are provided. To further streamline annual reporting, project specific details such as descriptions, project schedules, fiscal year milestones, and accomplishments are available in the SFER Consolidated Project Report Database at www.sfwmd.gov/sfer. Further reporting information on CERP is also available at www.evergladesrestoration.gov.

¹ Florida Department of Environmental Protection, Division of State Lands, Tallahassee, FL

² Florida Department of Environmental Protection, Bureau of Finance and Accounting, Tallahassee, FL

³ Florida Department of Environmental Protection, Office of Ecosystem Projects, Tallahassee, FL

PART (A) FUNDS – SFWMD AND FDEP

BACKGROUND

Pursuant to Section 373.470(7)(a), F.S., Part (A) of the CERP Annual Report contains fiscal-year information on revenues, expenditures, fund balance, and anticipated expenditures related to CERP implementation. This is summarized in **Tables 1-4** as follows:

- **Table 1:** FY2014 revenues
- **Table 2:** FY2014 expenditures
- **Table 3:** FY2014 unencumbered fund balance remaining in trust funds or other accounts
- **Table 4:** Anticipated expenditures for the next fiscal year, FY2015

The financial information contained in this annual report is taken from unaudited FY2014 records. Audited FY2014 information is scheduled to be available during the second quarter of FY2015. Any changes to the financial information presented in this appendix will be reflected in the District's Comprehensive Annual Financial Report and in future CERP Annual Reports. No federal revenues or expenditures are shown in these schedules.

The District is funding its share of CERP with revenues from several sources, the largest portion of which is composed of *ad valorem* taxes. Other sources include, but are not limited to, state appropriations, investment earnings on available cash balances, contributions from local governments, mitigation revenues, long-term debt, and Florida Forever Program funds (for additional information, see Volume II, Chapter 6A).

BASIS OF PRESENTATION

Accounting principles, policies, and practices of both the District and the FDEP conform with accounting principles generally accepted in the United States for state and local governments, and are structured in accordance with the Governmental Accounting Standards Board requirements. Generally accepted accounting principles (GAAP) require the use of fund accounting. A fund is a separate fiscal and accounting entity having a self-balancing set of accounts. Fund accounting is designed to segregate transactions related to certain functions or activities to ensure resources are applied to finance the activities and objectives for which the resources are received and to show compliance with legal and contractual obligations.

Table 1. Comprehensive Everglades Restoration Plan (CERP) revenues for Fiscal Year 2014 (FY2014) (October 1, 2013–September 30, 2014)¹.

Source	SFWMD ²	FDEP ³	Other Local Sponsors	Total
Save Our Everglades Trust Fund:				
General Revenue		\$36,624,810		\$36,624,810
Documentary Stamp Taxes for Debt Service		\$19,932,535		\$19,932,535
Transfer-Internal Improvement Trust Fund		\$5,000,000		\$5,000,000
Transfer-Land Acquisition Trust Fund		\$18,000,000		\$18,000,000
Transfer-Solid Waste Management Trust Fund		\$5,000,000		\$5,000,000
Transfer-Water Management Lands Trust Fund - Comprehensive Everglades Restoration		\$10,000,000		\$10,000,000
Transfer-Water Management Lands Trust Fund- Restoration Strategies Regional Water Quality Plan		\$20,000,000		\$20,000,000
Investment Earnings (net)		\$496,142		\$496,142
Save Our Everglades Trust Fund – Total		\$115,053,487	\$0	115,053,487
Ad Valorem Resources	\$28,740,869			\$28,740,869
Investment Earnings				\$0
Florida Forever Trust Fund		\$1,179,854		\$1,179,854
State Appropriations	\$24,487			\$24,487
Alligator Alley Toll Revenues	\$699,090			\$699,090
Lease Revenues				\$0
Miscellaneous Revenues	\$73,652			\$73,652
Total Revenues	\$29,538,098	\$116,233,341	\$0	\$145,771,439

¹ Federal revenues are not listed in this table.

² This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

³ This information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for implementation of the Northern Everglades and Estuaries Protection Program and Restoration Strategies.

Table 2. CERP expenditures for FY2014^{1,2}.

Projects	SFWMD	FDEP	Total Expenditures
Local Sponsor - SFWMD^{3,4}			
Pilot Projects			
Lake Okeechobee ASR Pilot			\$0
Caloosahatchee River (C-43) ASR Pilot			\$0
Hillsboro ASR Pilot			\$0
ASR Regional Study			\$0
Lake Belt In-Ground Reservoir Technology Pilot			\$0
L-31N Seepage Management Pilot			\$0
Wastewater Reuse Technology Pilot			\$0
Lake Okeechobee Region			
Lake Okeechobee Watershed			\$0
Lake Istokpoga Regulation Schedule			\$0
Lake Okeechobee Aquifer Storage and Recovery			\$0
Lower West Coast Region			
C-43 Basin Storage Reservoir – Part 1	\$93,522		\$93,522
C-43 Basin Aquifer Storage and Recovery – Part 2			\$0
Caloosahatchee Backpumping with Stormwater Treatment			\$0
Picayune Strand (SGGE) Hydrologic Restoration	\$1,192,307	\$1,233,077	\$2,425,384
Big Cypress/L-28 Interceptor Modifications			\$0
Upper East Coast Region			
Indian River Lagoon – South / C-44 Reservoir and STA	\$1,180,037	\$1,952,594	\$3,132,631
Indian River Lagoon – South / C-23/C-24 Reservoir and STA	\$46,417		\$46,417
Indian River Lagoon – South	\$44,898		\$44,898
Everglades Agricultural Area			
Everglades Agricultural Area Storage Reservoirs – Phase 1	\$261,158		\$261,158
EAA Bolles and Cross Canals			\$0
Everglades Agricultural Area Storage Reservoirs – Phase 2			\$0
Everglades, Florida Bay and Florida Keys Region			
Central Everglades Planning Project	\$402,805		\$402,805
Flow to NW and Central WCA 3A			\$0
WCA-3 Decomp and Sheetflow Enhancement – Part 1	\$465,220		\$465,220
WCA-3 Decomp and Sheetflow Enhancement – Part 2			\$0
ENP Seepage Management			\$0
Bird Drive Recharge Area			\$0
Loxahatchee National Wildlife Refuge Internal Canal Structures			\$0
Modify Holey Land Wildlife Management Area Operation Plan			\$0
Modify Rotenberger Wildlife Management Area Operation Plan			\$0
Melaleuca Eradication and Other Exotic Plants			\$0
Florida Keys Tidal Restoration			\$0

Table 2. Continued.

Projects	SFWMD	FDEP	Total Expenditures
Loxahatchee River Watershed Region			
Loxahatchee River Watershed	\$115,213	\$26,088,971	\$26,204,184
LRWRP Flow-way 2 Storage	\$182,583		\$182,583
L-8 Reservoir (CERPL17C)	\$2,262,035	\$18,279,452	\$20,541,487
Loxahatchee River Watershed – Part 2			\$0
Water Preserve Areas Region			
ACME Basin B Discharge			\$0
Strazzulla Wetlands			\$0
Fran Reich Preserve / Site 1 Impoundment	\$52,335		\$52,335
Broward County WPA			\$0
C-11 Impoundment			\$0
C-9 Impoundment			\$0
WCA-3A/3B Seepage Management			\$0
C-4 Structure			\$0
PBC Agriculture Reserve Reservoir – Part 1			\$0
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2			\$0
Hillsboro Aquifer Storage & Recovery – Part 2			\$0
Diverting WCA Flows to CLB to Downstream Natural Areas			\$0
Broward Co. Secondary Canal System			\$0
Miami-Dade Region			
North Lake Belt Storage Area			\$0
Central Lake Belt Storage Area			\$0
Biscayne Bay Coastal Wetlands (CERPL28) ⁵	\$306,256		\$306,256
C-111 Spreader Canal	\$970,217		\$970,217
Critical Restoration Projects			
Ten Mile Creek	\$38,300		\$38,300
Western Tamiami Trail Culverts			\$0
Western C-4 Water Control Structures			\$0
Southern CREW	\$49,259		\$49,259
Lake Trafford Restoration			\$0
Lake Okeechobee Water Retention/Phosphorus Removal	\$69,616		\$69,616
Western C-11 Water Quality Improvement			\$0
Critical Restoration Program Controls			\$0
Reconnaissance, Feasibility, and Planning Studies			
Southwest Florida Feasibility Study	\$2,052		\$2,052
Florida Bay and Florida Keys Feasibility Study			\$0
Indian River Lagoon Feasibility Study			\$0
Water Preserve Areas Feasibility Study			\$0

Table 2. Continued.

Projects	SFWMD	FDEP	Total Expenditures
Monitoring and Evaluation			
RECOVER	\$409,190		\$409,190
Adaptive Assessment and Monitoring	\$1,045,884		\$1,045,884
Program Management and Support			
Program Management	\$765,077		\$765,077
Debt Service ⁵	\$15,727,015	\$18,158,402	\$33,885,417
Program Support ⁵	\$2,246,494	\$306,827	\$2,553,321
Program Controls			\$0
Public Involvement and Outreach			\$0
Environmental and Economic Equity			\$0
Data Management	\$471,569		\$471,569
Interagency Modeling Center	\$485,951		\$485,951
Master Recreation Plan			\$0
Programmatic Regulations			\$0
CERP Pre-Cursors			
C-111 South Dade /MWD/CSOP Project Implementation	\$202,991		\$202,991
Other Local Sponsors⁶			
Comprehensive Integrated Water Quality Feasibility Study (FDEP)		\$155,066	\$155,066
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A		N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A		N/A
Henderson Creek/Belle Meade Restoration (FDEP)	N/A		N/A
Lakes Park Restoration (Lee County)	N/A		N/A
Winsberg Farms Wetlands Restoration (Palm Beach County)	N/A		N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A		N/A
Restoration of Pineland & Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A		N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A		N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A		N/A
Total	\$29,088,401	\$66,174,389	\$95,262,790

¹ Federal expenditures are not listed in table.² SFWMD FY2014 expenditures exclude \$50,699,074 of anticipated SOETF and other State funding for which the District will seek reimbursement.³ Project expenditures include indirect costs that are charged to the program by applying a federally approved rate to direct salaries.⁴ This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.⁵ Debt Service for SFWMD on the 2006 series Certificates of Participation to fund project construction; and Debt Service for existing bonds issued by FDEP for CERP, NEEPP and Restoration Strategies projects. Program Support for FDEP represents administrative support for CERP, NEEPP and Restoration Strategies projects.⁶ For local sponsors other than the SFWMD, "N/A" indicates the information is not available.

Table 3. CERP unencumbered fund balance for FY2014¹.

	SFWMD ²	FDEP ³	Other Local Sponsors	Total
Fund Balance as of October 1, 2013⁴	\$57,237,065	\$33,048,675	N/A	\$90,285,740
Add: Revenues	\$29,538,098	\$116,233,341	N/A	\$145,771,439
Less: Expenditures	(\$29,088,401)	(\$80,442,231)	N/A	(\$109,530,632)
Fund Balance as of September 30, 2014⁴	\$57,686,762	\$68,839,785	N/A	\$126,526,547
Less: Encumbrances as of September 30, 2014	(\$13,370,855)	(\$4,699)	N/A	(\$13,375,554)
Less: Designated Fund Balance ⁵	(\$27,855,282)	-	N/A	(\$27,855,282)
Add: Fund Balance Reserved for Encumbrances as of September 30, 2013	-	\$12,000	N/A	\$12,000
Unencumbered Balance as of September 30, 2014	\$16,460,625	\$68,847,086	N/A	\$85,307,711

¹ Federal revenues and expenditures are not included in this table.² This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.³ The information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for NEEPP and Restoration Strategies project implementation.⁴ Fund balance figures for SFWMD include the CERP Ad Valorem Fund, Other Creditable CERP Fund and CERP Capital Construction Fund.⁵ This represents the CERP *ad valorem* portion of fund balance designated to fund the following year's budget.

Table 4. CERP anticipated expenditures for Fiscal Year 2015 (FY2015)
(October 1, 2014–September 30, 2015).^{1,2}

Projects	Total Anticipated Expenditures
Local Sponsor - SFWMD	
Pilot Projects	
Lake Okeechobee ASR Pilot	
Caloosahatchee River (C-43) ASR Pilot	
Hillsboro ASR Pilot	
ASR Regional Study	
Lake Belt In-Ground Reservoir Technology Pilot	
L-31N Seepage Management Pilot	
Wastewater Reuse Technology Pilot	
Lake Okeechobee Region	
Lake Okeechobee Watershed	\$9,516
Lake Istokpoga Regulation Schedule	
Lake Okeechobee Aquifer Storage and Recovery	
Lower West Coast Region	
C-43 Basin Storage Reservoir – Part 1	\$18,281,651
C-43 Basin Aquifer Storage and Recovery – Part 2	
Caloosahatchee Backpumping with Stormwater Treatment	
Picayune Strand (SGGE) Hydrologic Restoration	\$16,832,878
Big Cypress/L-28 Interceptor Modifications	
Upper East Coast Region	
Indian River Lagoon – South / C-44 Reservoir and STA	\$69,337,632
Indian River Lagoon – South	\$20,169,960
Everglades Agricultural Area	
River of Grass	
Everglades Agricultural Area Storage Reservoirs – Phase 1	
EAA Bolles and Cross Canals	
Everglades Agricultural Area Storage Reservoirs – Phase 2	
Everglades, Florida Bay and Florida Keys Region	
Central Everglades Planning Project	\$36,203
Flow to NW and Central WCA 3A	
WCA-3 Decomp and Sheetflow Enhancement – Part 1	\$577,045
WCA-3 Decomp and Sheetflow Enhancement – Part 2	
ENP Seepage Management	
Bird Drive Recharge Area	
Loxahatchee National Wildlife Refuge Internal Canal Structures	
Modify Holey Land Wildlife Management Area Operation Plan	
Modify Rotenberger Wildlife Management Area Operation Plan	
Melaleuca Eradication and Other Exotic Plants	
Florida Keys Tidal Restoration	

Table 4. Continued.

Projects	Total Anticipated Expenditures
Loxahatchee River Watershed Region	
Loxahatchee River Watershed	\$468,450
LRWRP Flow-way 2 Storage	4,510,869
L-8 Reservoir (CERPL17C)	\$31,573,992
Loxahatchee River Watershed – Part 2	
Water Preserve Areas Region	
ACME Basin B Discharge	
Strazzulla Wetlands	
Fran Reich Preserve, Site 1 Impoundment	\$59,989
Broward County WPA	
C-11 Impoundment	
C-9 Impoundment	
WCA-3A/3B Seepage Management	
C-4 Structure	
PBC Agriculture Reserve Reservoir – Part 1	
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2	
Hillsboro Aquifer Storage & Recovery – Part 2	
Diverting WCA Flows to CLB to Downstream Natural Areas	
Broward Co. Secondary Canal System	
Miami-Dade Region	
North Lake Belt Storage Area	
Central Lake Belt Storage Area	
Biscayne Bay Coastal Wetlands (CERPL28)	\$2,382,503
C-111 Spreader Canal (CERPL29)	\$172,549
Critical Restoration Projects	
Ten Mile Creek	\$1,078,977
Western Tamiami Trail Culverts	
Western C-4 Water Control Structures	
Southern CREW	\$6,009,558
Lake Trafford Restoration	
Lake Okeechobee Water Retention/Phosphorus Removal	\$112,581
Western C-11 Water Quality Improvement	
Critical Restoration Program Controls	
Reconnaissance, Feasibility, and Planning Studies	
Southwest Florida Feasibility Study	
Florida Bay and Florida Keys Feasibility Study	
Indian River Lagoon Feasibility Study	
Water Preserve Areas Feasibility Study	

Table 4. Continued.

Projects	Total Anticipated Expenditures
Monitoring and Evaluation	
RECOVER	\$745,278
Adaptive Assessment and Monitoring	\$1,296,999
Program Management and Support	
Program Management and Support	\$1,391,883
Program Controls ³	\$2,570,933
Debt Service ⁴	\$37,120,273
Public Involvement and Outreach	
Environmental and Economic Equity	
Data Management	\$417,250
Interagency Modeling Center	\$366,960
Master Recreation Plan	
Programmatic Regulations	
CERP Pre-Cursors	
C-111 /MWD/CSOP Project Implementation	\$20,855,123
Other Local Sponsors	
Comprehensive Integrated Water Quality Feasibility Study (FDEP)	\$1,899,117
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A
Henderson Creek/Belle Meade Restoration (FDEP)	N/A
Lakes Park Restoration (Lee County)	N/A
Winsberg Farms Wetlands Restoration (Palm Beach County)	N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A
Restoration of Pineland & Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A
Total	\$238,278,169

¹Federal expenditures are not listed on this table.²Total anticipated expenditures include debt service and personnel services.³Includes the cost of District central service departments (accounting, budget, procurement, etc.) charged to the program by applying a federally approved indirect rate to direct salaries and FDEP administrative costs of the Bureau of Finance and Accounting.⁴Represents budgeted debt service of \$15,725,409 in FY2015 on District issued Certificates of Participation issued in 2006 (FY2007) to fund CERP related project construction; and debt service of \$21,394,864 on existing bonds issued by FDEP to fund CERP, NEEPP and Restoration Strategies project implementation.

PART (B) FUNDS – FDEP

BACKGROUND

Pursuant to Section 373.470(7)(b), F.S., Part (B) of the CERP Annual Report provides a detailed account of all funds expended by the state of Florida toward land acquisition, design and construction for CERP in FY2014. Every CERP project component is or will be described in a Project Implementation Report, and subsequently executed Project Partnership Agreement. The amount of expenditures to be credited toward the state of Florida's share of funding for implementation of CERP will be developed during the detailed design phase and affirmed in the respective Project Partnership Agreements.

Table 5 provides the FDEP Annual Report for CERP. As FDEP fund appropriations and expenditures reflect the Save Our Everglades Trust Fund in its entirety, funding used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP) and Restoration Strategies is also included. In this volume, refer to Appendix 1-6 for reporting information on NEEPP and Chapter 5A for status updates on Restoration Strategies projects.

BASIS OF PRESENTATION

The FDEP accounting policies conform to GAAP for state and local governmental units and are structured in accordance with the Governmental Accounting Standards Board requirements. The information in these special-purpose financial presentations relates to the general fund and to special revenue funds classified as a governmental fund type. Special revenue funds are used to account for specific revenue sources that are legally restricted to expenditure for specified purposes (see **Table 5**).

Table 5. Florida Department of Environmental Protection, CERP, NEEPP, and Restoration Strategies Annual Report for FY2014.

	Save Our Everglades Trust Fund	General Revenue Fund	Florida Forever Trust Fund	Totals
REVENUES - By source of funds				
General Revenue	\$12,000,000	\$24,624,810		\$36,624,810
Documentary Stamp Taxes for Debt Service	\$19,932,535			\$19,932,535
Transfer-Internal Improvement Trust Fund	\$5,000,000			\$5,000,000
Transfer-Land Acquisition Trust Fund	\$18,000,000			\$18,000,000
Transfer-Solid Waste Management Trust Fund	\$5,000,000			\$5,000,000
Transfer-Water Management Lands Trust Fund - Comprehensive Everglades Restoration	\$10,000,000			\$10,000,000
Transfer-Water Management Lands Trust Fund – Restoration Strategies Regional Water Quality Plan	\$20,000,000			\$20,000,000
Florida Forever Trust Fund			\$1,179,854	\$1,179,854
Interest Earnings (Net)	\$496,142			\$496,142
TOTAL REVENUES	\$90,428,677	\$24,624,810	\$1,179,854	\$116,233,341

Table 5. Continued.

	Save Our Everglades Trust Fund	General Revenue Fund	Florida Forever Trust Fund	Totals
EXPENDITURES - By Projects¹				
CERP Projects:				
C-44 Basin Storage Reservoir St Lucie (CERPL7A)	\$1,582,992	\$369,602		\$1,952,594
C-51 & L-8 Reservoir (CERPL17C)	\$15,078,830	\$3,200,620		\$18,279,450
Loxahatchee River Watershed Restoration (CERPL17G)	\$7,145,334	\$18,943,637		\$26,088,971
Picayune Strand Restoration (CERPL30)	\$53,223			\$53,223
Picayune Save Our Everglades			\$1,179,854	\$1,179,854
Technical Guidance On Everglades Mercury & Sulfur Issues (WQFS3)	\$7,301			\$7,301
CERP Water Quality Copper In Snails Study (WQFS4)	\$11,639	\$96,126		\$107,765
CERP Water Quality Mercury Methylation Study (WQFS5)	\$15,000	\$25,000		\$40,000

¹Expenditures by project reflect trust fund monies issued to the SFWMD through the FDEP reimbursement process.

Table 5. Continued.

	Save Our Everglades Trust Fund	General Revenue Fund	Florida Forever Trust Fund	Totals
EXPENDITURES - By Projects ¹				
NEEPP Projects²:				
Northern Everglades Agricultural Nonpoint Source (NELOCASLDA1)	\$2,500,000			\$2,500,000
St. Lucie River Watershed Projects - (SLRWP1)	\$310,000			\$310,000
Nicodemus Slough - (NEAWS1)	\$625,609	\$1,931,131		\$2,556,740
Lake Hicpochee North Hydrologic Enhancement (CRE04)	\$1,267,820			\$1,267,820
Spanish Creek (CRE44)		\$58,694		\$58,694
Restoration Strategies³:				
A-1 Flow Equalization Basin (RASA1FEB)	\$7,574,590			\$7,574,590
CERP and NEEPP:				
Debt Service on Bonds	\$18,158,402			\$18,158,402
Transfer - Administrative Trust Fund	\$306,827			\$306,827
TOTAL EXPENDITURES	\$54,637,567	\$24,624,810	\$1,179,854	\$80,442,231

¹Expenditures by project reflect trust fund monies issued to the SFWMD through the FDEP reimbursement process.

²Refer to Appendix 1-6 of this volume for information on NEEPP.

³Refer to Chapter 5A of this volume for information on Restoration Strategies projects.

Table 5. Continued.

	Save Our Everglades Trust Fund	General Revenue Fund	Florida Forever Trust Fund	Totals
ENCUMBRANCES	\$4,699			\$4,699
TOTAL ENCUMBRANCES	\$4,699			\$4,699
Excess (Deficiency) of Revenues Over Expenditures and Encumbrances	\$35,786,411			\$35,786,411
Unencumbered Balance as of September 30, 2013	\$33,048,675			\$33,048,675
Fund Balance Reserved for Encumbrances as of September 30, 2013	\$12,000			\$12,000
Unencumbered Balance as of September 30, 2014	\$68,847,086			\$68,847,086

PART (C) – IMPLEMENTATION STATUS

BACKGROUND

The Comprehensive Everglades Restoration Plan (USACE and SFWMD, 1999) is a conceptual plan that proposes major modifications to the Central and Southern Florida Project in order to reverse decades of ecosystem decline. Specifically, the plan describes nearly 50 major projects and 68 project components to be constructed at an original cost estimate of \$10.9 billion, in 2004 dollars. Major components of CERP focus on restoring the quantity, quality, timing, and distribution of water for the natural system, and include aquifer storage and recovery, in-ground reservoirs, rainfall-driven operations, removing barriers to sheetflow, seepage management, stormwater treatment areas, surface water storage reservoirs, and water reuse and conservation. The estimated costs for CERP have increased to \$13.5 billion, based on price level (inflation) adjustments to 2009 dollars; and revisions made to scope based on finalized designs for projects such as the Indian River Lagoon – South, Picayune Strand Restoration, Fran Reich Preserve - Site 1 Impoundment, and C-111 Spreader Canal Western projects (www.evergladesplan.org/pm/program_docs/cerp_reports_congress.aspx; USACE, 2010). Maps of the CERP projects and components, including pilot projects, are provided in **Figures 1a–1h**.

The timeframe of the Central and Southern Florida Project Comprehensive Review Study (Restudy) did not permit a thorough investigation of all the regional water resource challenges in South Florida; therefore, several new feasibility studies were proposed. These studies will be conducted under the authority of the Water Resources Development Act of 1996, which allows for the continuation of studies and analyses that are necessary to further the Comprehensive Plan. These studies will investigate conceptual designs developed under the Comprehensive Plan and make regional recommendations for meeting the future needs of agricultural, urban, and environmental users. Additional information is available at <http://www.evergladesplan.org/pm/studies/studies.aspx>.

In addition to activities outlined in the plan, several non-CERP projects were under way when the plan was written and are necessary precursors for many CERP projects. This precedence relationship was acknowledged when WRDA 2000 required the completion of certain of these projects before appropriations are made for related CERP restoration projects. More information is available at http://www.evergladesplan.org/pm/projects/non_cerp_sf_projects.aspx.

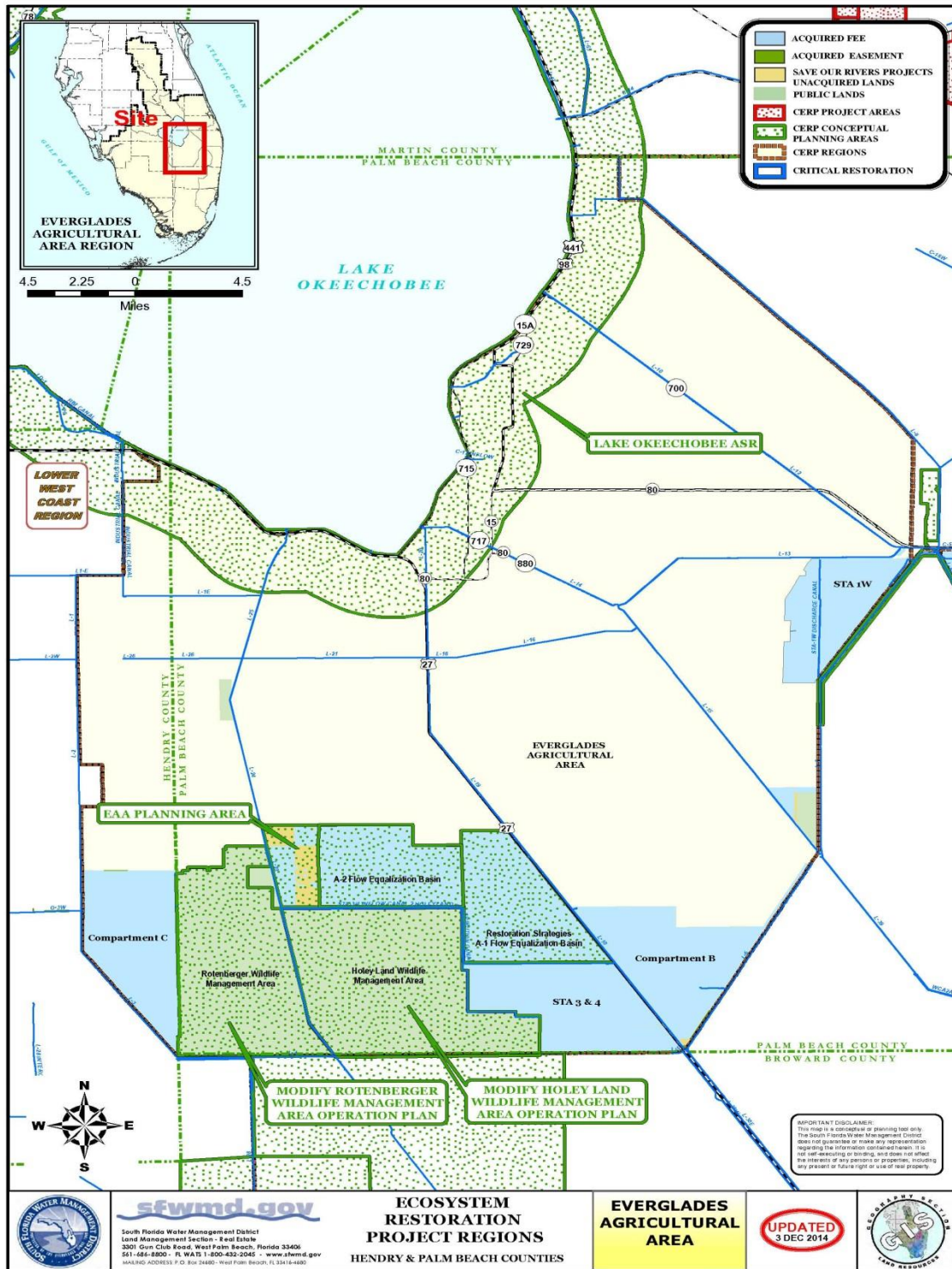


Figure 1a. General location of CERP projects and components, Everglades Agricultural Area region.

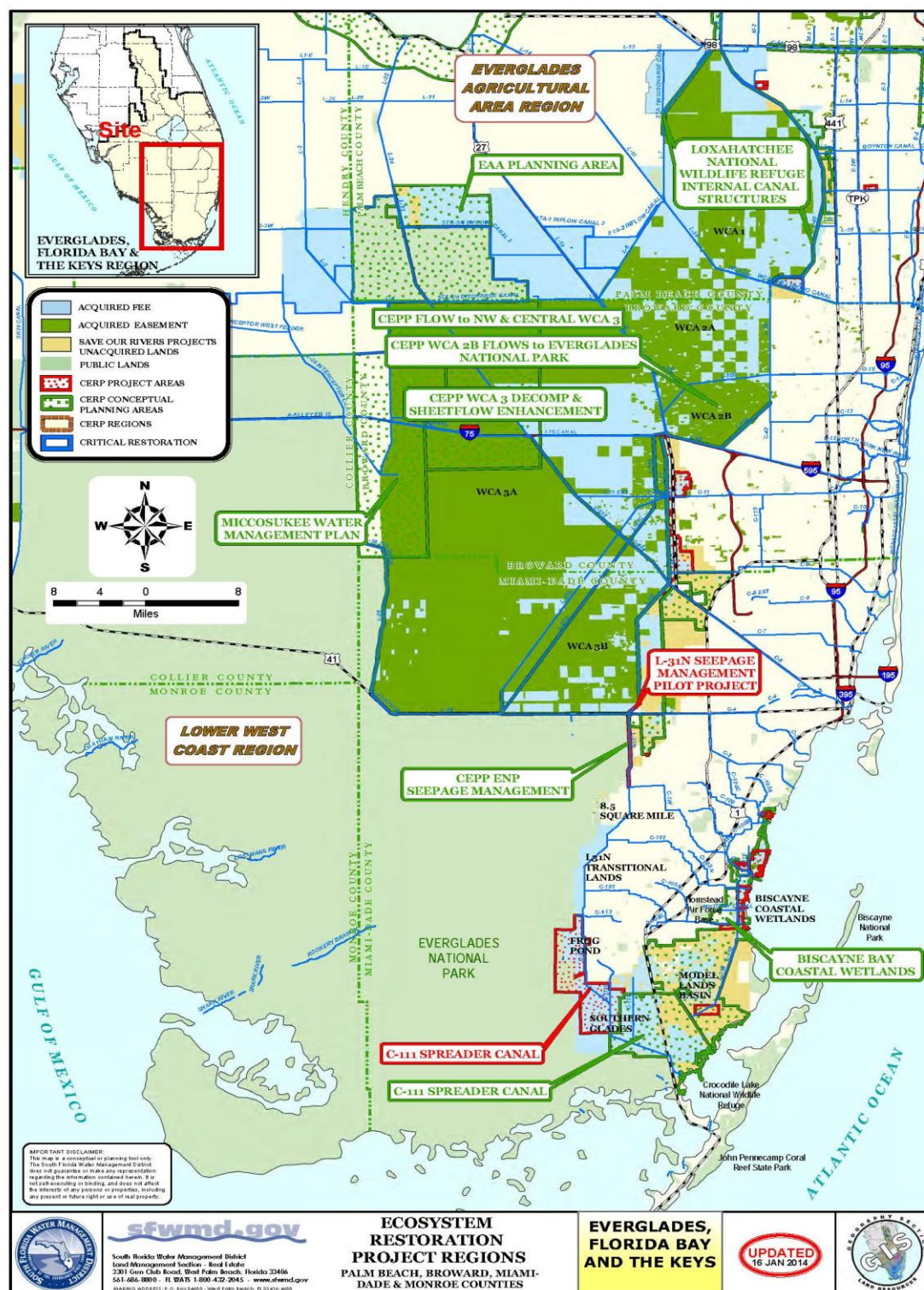


Figure 1b. General location of CERP projects and components, Everglades, Florida Bay, and Florida Keys region.

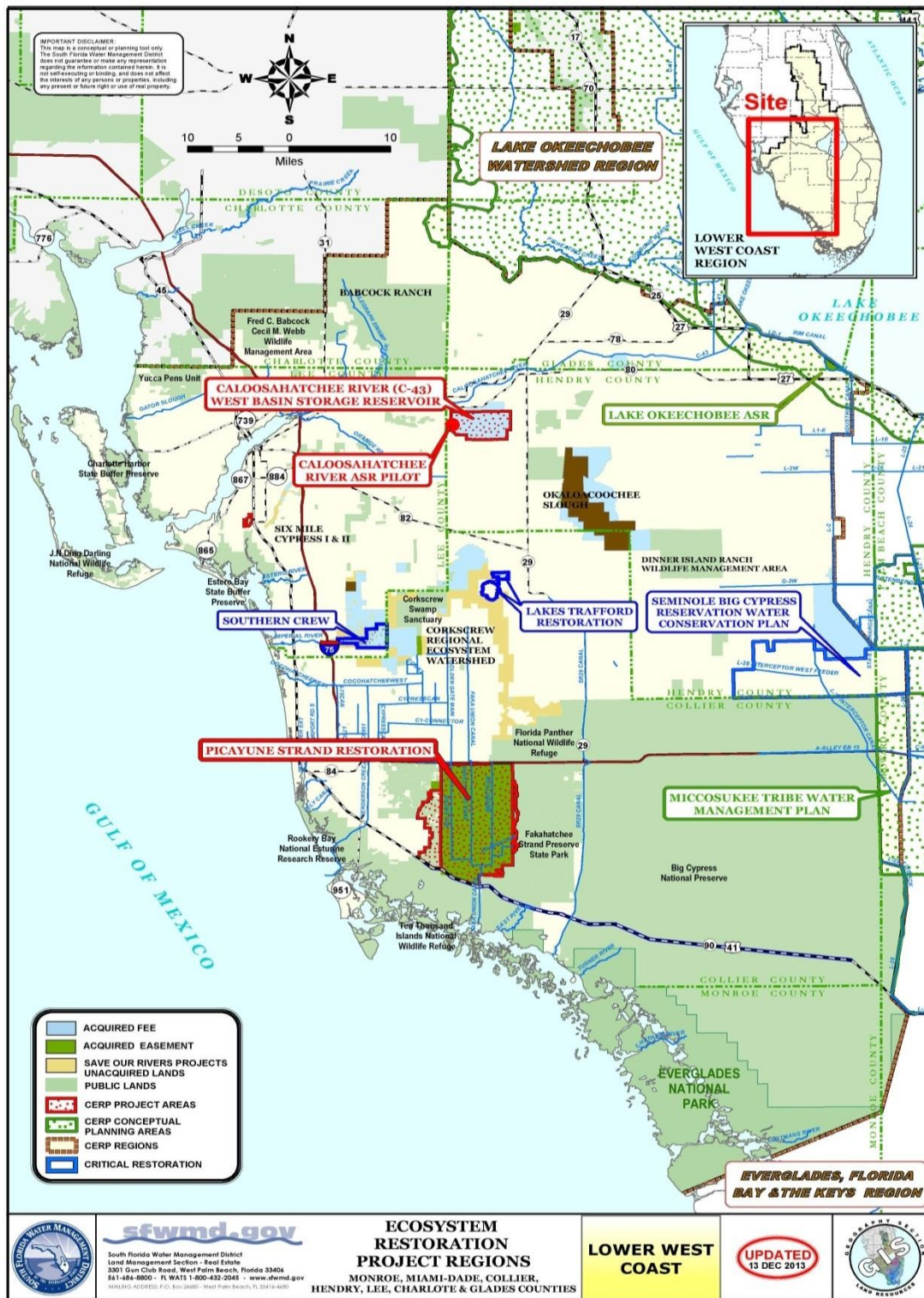


Figure 1c. General location of CERP projects and components, Lower West Coast region.



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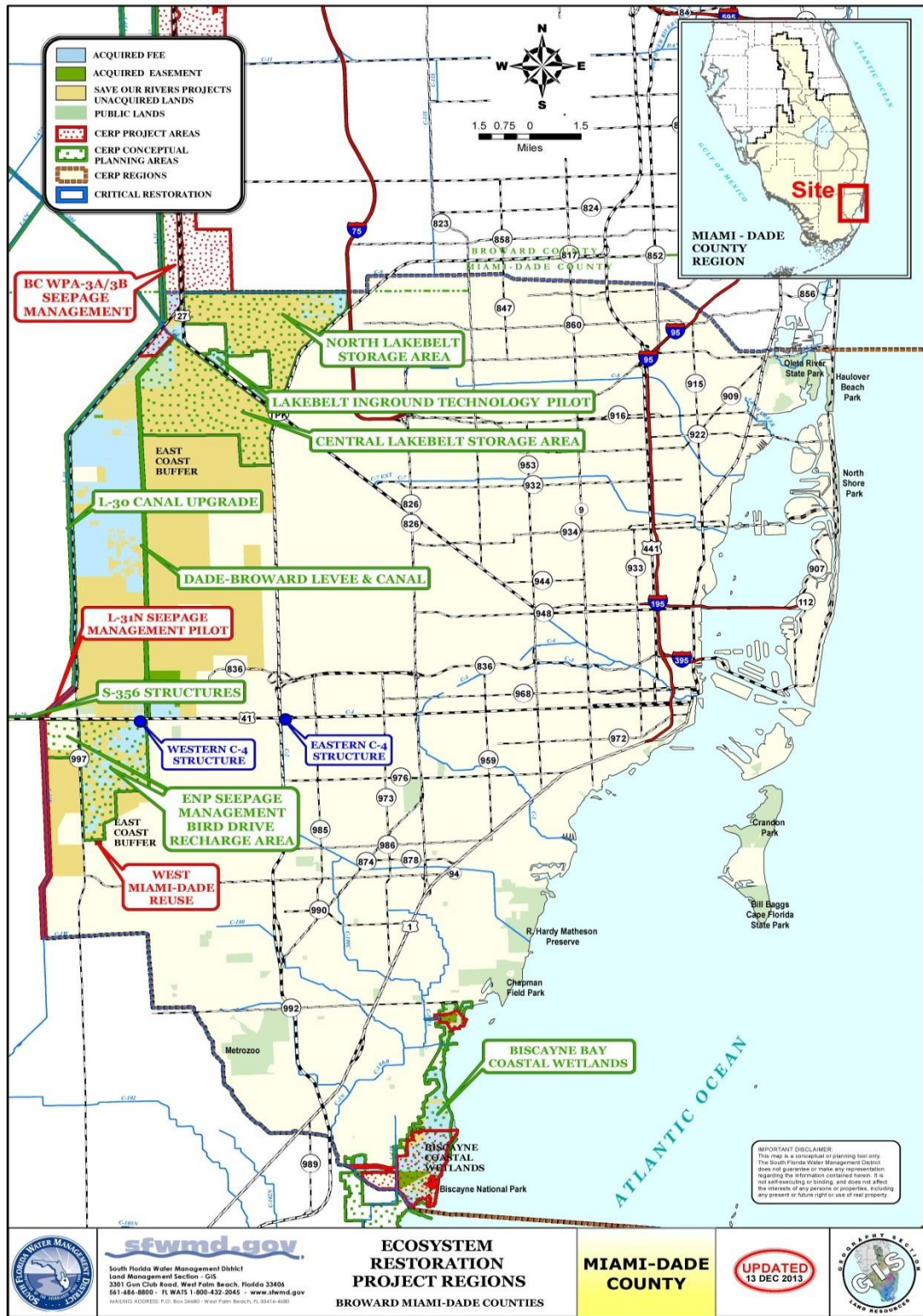


Figure 1e. General location of CERP projects and components, Miami-Dade County region.

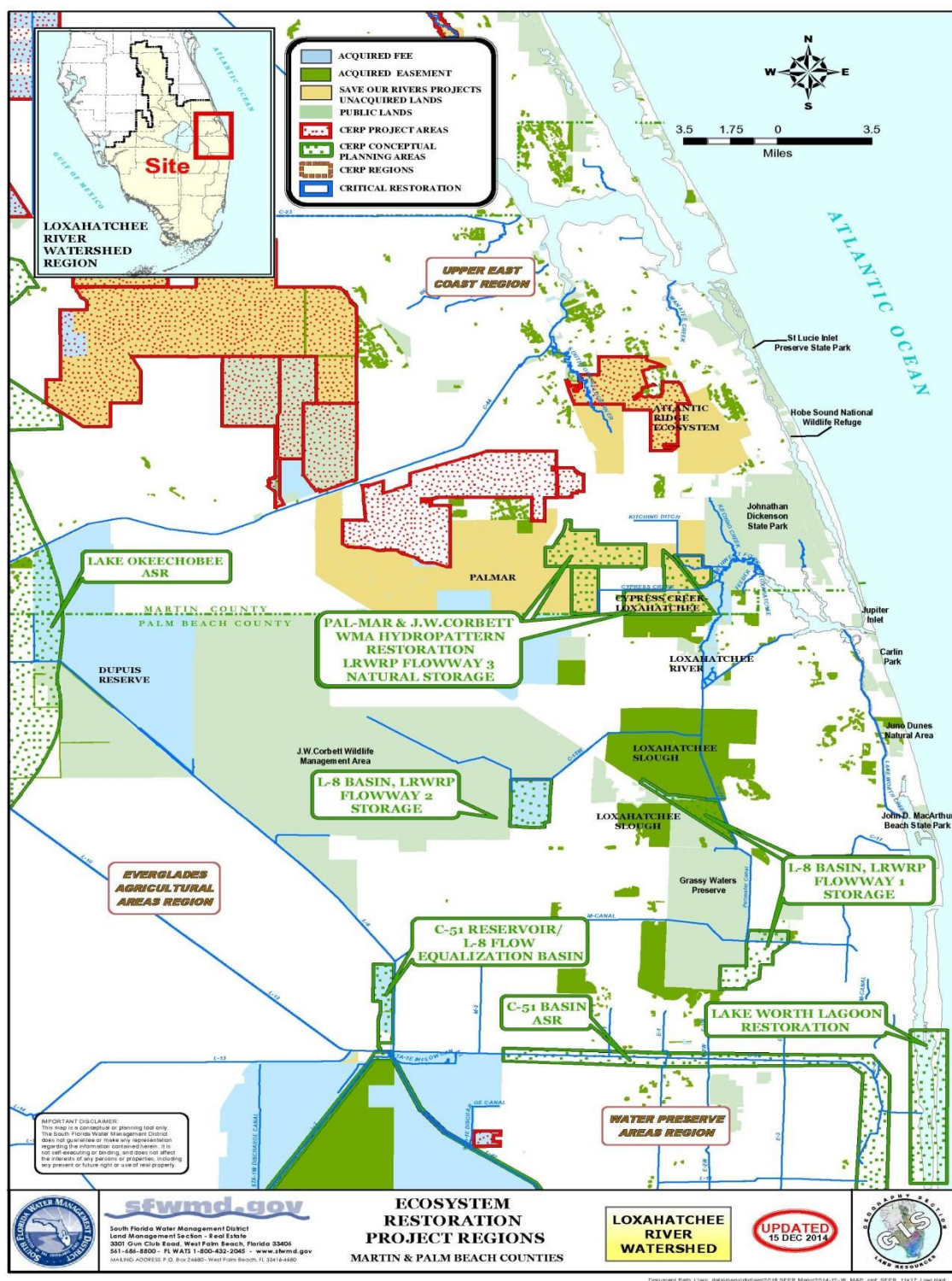


Figure 1f. General location of CERP projects and components, Loxahatchee River Watershed region.



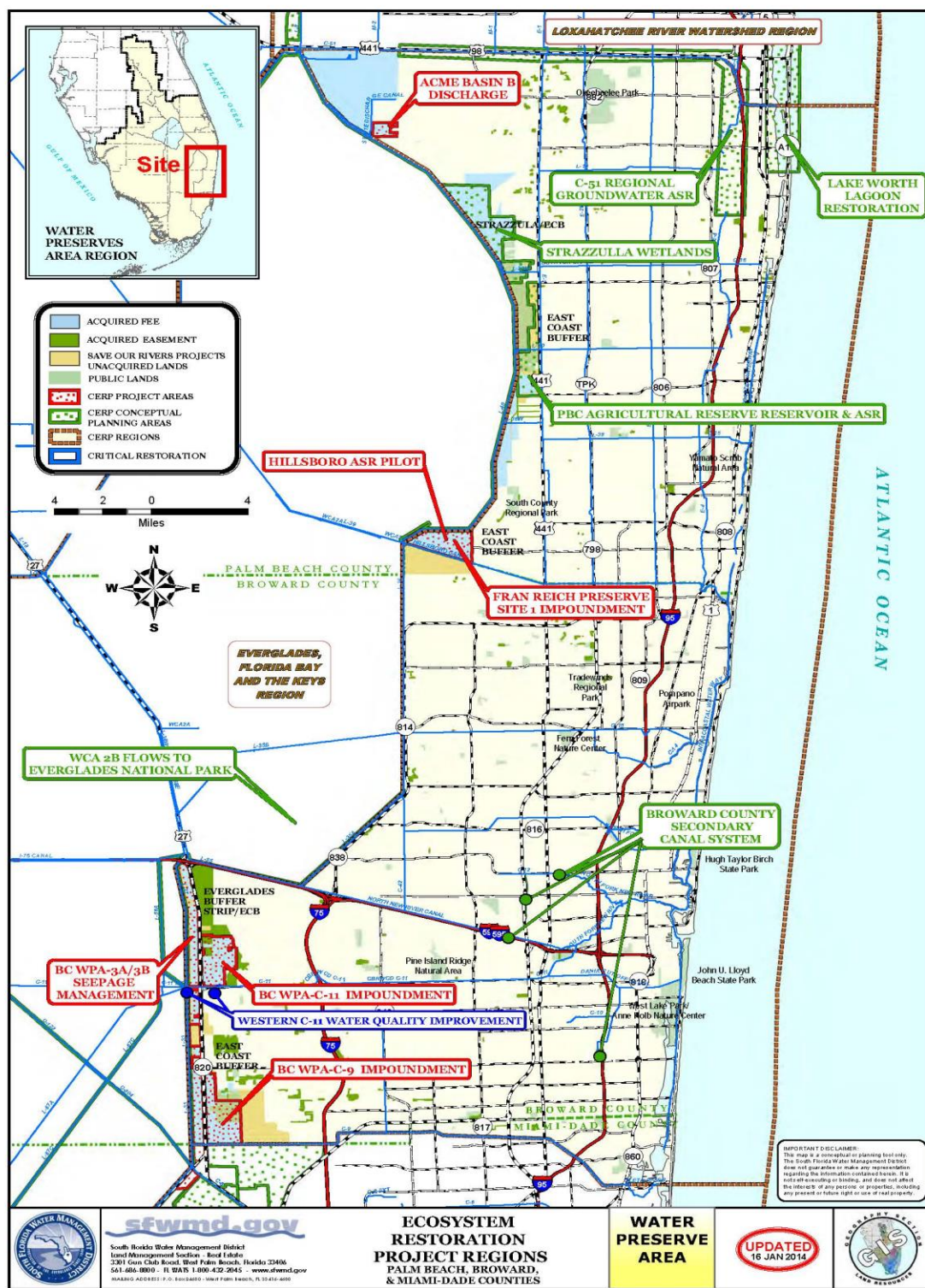


Figure 1h. General location of CERP projects and components, Water Preserve Areas region.

PROJECT STATUS OVERVIEW

CERP projects or components of projects progress through a standard implementation process that starts with completion of the project identification phase, formalized in the Comprehensive Everglades Restoration Plan. The process moves the project from the conceptually described projects and components contained in the Comprehensive Everglades Restoration Plan to more specifically defined features contained in Project Implementation Reports. These features are then designed, constructed, and operated to achieve project goals. In order to complete CERP implementation, projects and components must advance through the remaining phases of project planning, project design, and project construction; supported by modeling, land acquisition, and project controls and technical services performed throughout the process. **Figure 2** depicts an overview of the CERP implementation process.

Table 6 presents the progression of each CERP project and component through the CERP implementation process. It should be noted that the land acquisition support function is reflected as an implementation phase in the table, as Section 373.470(7), F.S., considers this activity alongside design and construction for financial reporting purposes. The post-implementation, operations phase is included in the table only for informational purposes.

There are 85 projects and components listed in the CERP implementation status table. During the reporting period, 29 CERP projects and components were actively worked. An additional 21 projects and components were inactive during the reporting period; however, one or more phases of the CERP implementation process had commenced. There are 20 pending projects that are planned to start in future years. Four projects are on-hold pending resolution of issues that may lead to project plan modifications. Other local sponsors have been assigned to oversee the remaining 11 projects.

The current listing of 85 projects and components can be linked to the CERP original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of **Table 6** as a cross-reference. Project specific details such as descriptions, project schedules, fiscal year milestones and accomplishments, and project cost estimates are available in the SFER Consolidated Project Report Database at www.sfwmd.gov/sfer.

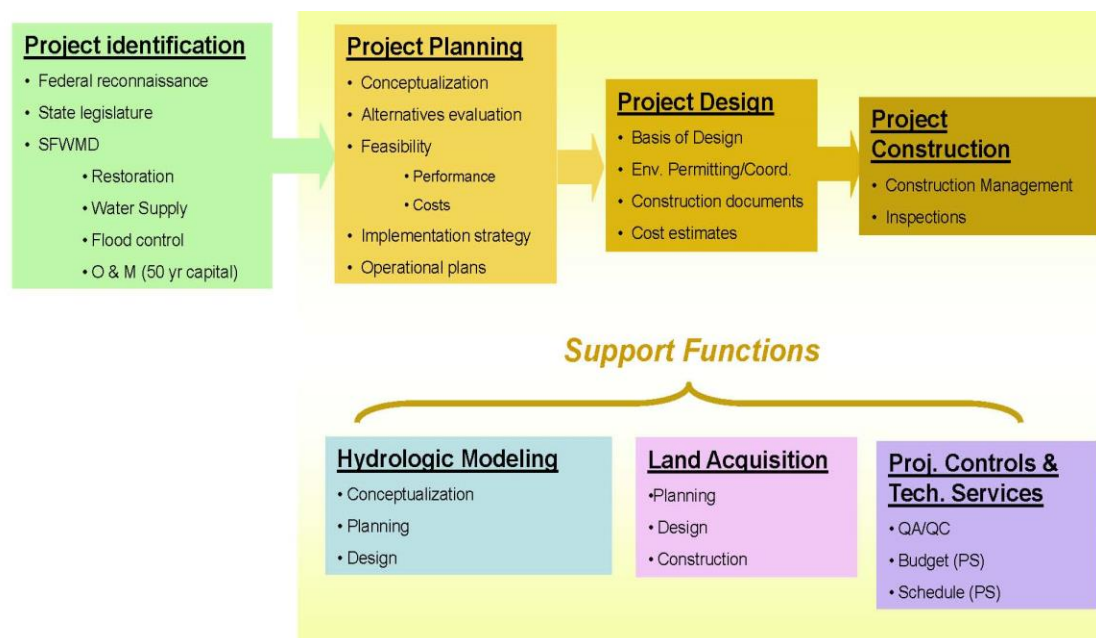


Figure 2. CERP implementation process.

Table 6. CERP project implementation status.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Everglades Agricultural Area Region								
G P1, G P2	08A	A-1 Flow Equalization Basin (FEB) ¹	On-hold	x	x			
G P1, G P2	08	CEPP, EAA A-2 FEB ²	Active	x	x			
	08C	Bolles/Cross Canals	Pending					
DD	15	Modify Holey Land Wildlife Management Area Operation Plan	Pending					
EE	16	Modify Rotenberger Wildlife Management Area Operation Plan	Pending					
Everglades, Florida Bay and the Keys Region								
II	11A	CEPP, G-404 Pump Station Modifications ²	Active	x				
RR	11B	CEPP, Flows to NW & Central WCA 3A ²	Active	x				
AA, QQ P1, QQ P2, SS, ZZ	12A-F	CEPP, WCA 3 Decompartmentalization and Sheetflow Enhancement ²	Active	x				
KK	14	Loxahatchee NWR Internal Canal Structures	Pending					
EEE	23	Flows to Eastern Water Conservation Area	Pending					
V	27A	CEPP, L-31N (L-30)Seepage Management ²	Active	x	x			
FF	27B	CEPP, S-356 Structure ²	Active	x	x			
U	43A-C	Bird Drive Recharge Area ⁴	On-hold	x	x			
BB	49B	Dade-Broward Levee & Canal	Inactive	x	x			
WW	29A	C-111 Spreader Canal Western Project	Active	x	x	x	x	x
WW	29	C-111 Spreader Canal Eastern Project	Inactive	x				
OPE, FK	31	Florida Keys Tidal Restoration	Pending					
PILOT	36	L-31N (L-30) Seepage Management Pilot	On-hold	x	x	x	x	
OPE	90	Miccosukee Water Management Plan	N/A					
Lake Okeechobee Watershed Region								
A	01A	North of Lake Okeechobee Storage Reservoir	Inactive	x	x			
W	01B	Taylor Creek/Nubbin Slough Storage and Treatment Area	Active	x	x	x	x	x
LOWQTF	01C	Lake Okeechobee Watershed Water Quality Treatment Facilities	On-Hold	x	x			
OPE(LOTSO)	01D	Lake Okeechobee Tributary Sediment Dredging	Pending					
GG-P1, GG-P2, GG-P3	03A-C	Lake Okeechobee ASR - Phases 1-3	Pending					
PILOT	32	Lake Okeechobee ASR Pilot ³	Active	x	x	x	x	x
Lower West Coast Region								
D P1	04	C-43 Basin Storage Reservoir	Inactive		x			
D P1	04A	Caloosahatchee River (C-43) West Basin Storage Reservoir	Active	x	x	x		
D P2	05	C-43 Basin Aquifer Storage Reservoir	Inactive	x				
DDD	06	Caloosahatchee Back-pumping with Stormwater Treatment	Pending					
CCC	10	Big Cypress - L-28 Interceptor Modifications	Pending					
OPE, SEGGHR	30	Picayune Strand Restoration	Active	x	x	x	x	
PILOT	33	Caloosahatchee River (C-43) ASR Pilot	Inactive	x	x	x	x	x
OPE	93	Henderson Creek/Belle Meade Restoration	N/A					
OPE	94	Lakes Park Restoration	N/A	x	x	x		
OPE	96	Seminole Tribe Big Cypress Reservation Water Conservation Plan	N/A	x	x	x		

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Loxahatchee River Watershed								
OPE(PALMAR)	17A	LRWRP Flowway 3 & Natural Storage (Pal Mar and JW Corbett WMA Hydropattern Restoration)	Active	x	x	x	x	
K P1	17B	LRWRP Flowway 1 Storage	Active	x				
K P2	17H	L-8 Basin, LRWRP Flowway 2 Storage	Active	x				
GGG	17C	C-51 Reservoir & L-8 Flow Equalization Basin, L-8 Reservoir	Active					
OPE(LWL)	17D	Lake Worth Lagoon Restoration	Active	x		x	x	x
X	17E	C-17 Backpumping & Treatment ⁴	Inactive	x				
Y	17F	C-51 Backpumping and Treatment ⁴	Inactive	x				
LL	18A	C-51 Basin Aquifer Storage & Recovery	Pending					
K P2	18B	L-8 Loxahatchee River Watershed Restoration Aquifer Storage and Recovery	Pending					
OPE	91	Winsberg Farms Wetlands Restoration	N/A	x	x	x	x	x
Miami-Dade County Region								
XX P2	25A	North Lake Belt Storage Area - Phase 2	Pending					
S P1	26	Central Lake Belt Storage - Phase 1	Pending					
S P2	26A	Central Lake Belt Storage - Phase 2	Pending					
FFF/OPE	28A	Biscayne Bay Coastal Wetlands - Phase 1	Active	x	x	x	x	
FFF/OPE	28	Biscayne Bay Coastal Wetlands - Phase 2	Inactive	x	x			
PILOT	35	Lake Belt In-Ground Reservoir Technology Pilot	Inactive	x				
PILOT	37A	South Miami-Dade WW Reuse Pilot	N/A					
PILOT	37B	West Miami-Dade WW Reuse Pilot	N/A					
NONE	92	Restoration of Pineland & Hardwood Hammocks in C-111 Basin	N/A					
HHH	97	West Miami-Dade Reuse	N/A	x				
BBB	98	South Miami-Dade Reuse	N/A	x				
Upper East Coast Region (IRL-South)								
UU	07A01	C-44 Reservoir	Active	x	x	x	x	
B	07A02	C-44 West STA	Active	x	x	x	x	
B	07A03	C-44 East STA	Active	x	x	x		
UU	07A04	Pal Mar Complex NWSTA, C-44 Basin	Active	x	x			
UU	07B05	C-23/C-24 North Reservoir	Inactive	x	x			
UU	07B06	C-23/C-24 South Reservoir	Inactive	x	x			
UU	07B07	C-23/C-24 STA	Inactive	x	x			
B	07B09	Allapattah Complex	Active	x	x	x	x	x
UU	07B10	Cypress Creek Complex	Inactive	x	x			
B	07B13	Pal Mar Complex NWSTA -Southfork Basin	Inactive	x	x			
B	07B14	Pal Mar Complex NWSTA- Halpatokee Park	Inactive	x	x			
UU	07C12	C-25 Reservoir & STA	Inactive	x				
UU	07C14	North Fork Floodplain Restoration	Active	x	x	x	x	x
UU	07C15	Muck Remediation & Artificial Habitat	Inactive	x				

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
Water Preserve Area Region								
VV P1	20	PBC Agricultural Reserve Reservoir	Inactive	x	x			
VV P2	21	PBC Agricultural Reserve Aquifer Storage Reservoir	Pending					
M P2	22	Hillsboro Aquifer Storage and Recovery	Pending					
CC P1	24	Broward County Secondary Canal System	Pending					
PILOT	34	Hillsboro ASR Pilot ³	Active	x	x	x	x	x
OPE	38	Acme Basin B Discharge	N/A	x	x	x	x	x
OPE	39	Strazzulla Wetlands	Inactive	x	x	x		
M P1	40	Fran Reich Preserve - Site 1 Impoundment	Active	x	x	x	x	
O	45A	Broward County Water Preserve Area, WCA 3A & 3B Levee Seepage Mgmt	Active	x	x	x		
Q	45B	Broward County Water Preserve Area, C-11 Impoundment	Active	x	x	x		
R	45C	Broward County Water Preserve Area, C-9 Impoundment	Active	x	x			
T	46	C-4 Control Structures	Pending					
YY, S P1	48A	L-30 Canal Upgrade	Pending					
YY, S P1	48B	WCA - 2B Flows to CLBSA	Pending					
XX P1	25B	WPA Conveyance	Inactive	x	x			

Note: The current list of projects and components can be linked to the CERP original suite of 50 major projects and 68 project components using the Restudy component identifier shown in the first column of **Table 6** as a cross-reference. Other Program Element (OPE) projects (Component ID: 90-98) have a local sponsor other than the SFWMD.

¹The lands associated with Compartment A-1 are primarily designated for use as part of the Restoration Strategies' Central Flow Path. The Central Everglades Planning Project (CEPP) proposes to integrate the use of Compartment A-1 and Compartment A-2 as a combined Flow Equalization Basin (FEB) storage feature in the Everglades Agricultural Area.

²Components under consideration as part of CEPP.

³Projects included in the Aquifer Storage and Recovery (ASR) Regional Study.

⁴Components have been screened out during the planning process and are no longer under consideration.

General Status

Active – Project implementation activities occurred in the fiscal year (FY2013).

Inactive – One or more phases of the CERP implementation process have commenced; however, no additional work was performed during the reporting period, pending resolution of some external driver (priorities, funding constraint, scheduling, etc.).

N/A – Information not available (only applies to OPE projects where the SFWMD is not the local sponsor).

On-Hold – Work on project has been suspended due to potential project plan modifications.

Pending – Project scheduled to start in a future year.

CERP IMPLEMENTATION HIGHLIGHTS

Key activities and milestones completed during the reporting period are highlighted below.

Land Acquisition

Approximately 256,011 acres, or nearly 63 percent, of estimated lands needed for CERP have been acquired as of September 30, 2014.

Picayune Strand Restoration

- The District reinitiated acquisition efforts to acquire remaining lands needed for the Picayune Strand Restoration Project.

Planning

The Water Resources Reform and Development Act of 2014 authorized four CERP projects, with an estimated cost of \$1.9 billion:

- C-111 Spreader Canal Western
- Biscayne Bay Coastal Wetlands
- Broward County Water Preserve Areas
- Caloosahatchee River (C-43) West Basin Storage Reservoir

Central Everglades Planning Project

- The District obtained FDEP approval of the CERP Central Everglades Planning Project (CEPP), in accordance with Sections 373.026, F.S., and 373.1501(5), F.S.
- The Civil Works Review Board approved release of the Final Integrated Project Implementation Report and Environmental Impact Statement for state and agency review. It is anticipated that the Chief of Engineers will complete the CEPP Chief's Report in early 2015.

Construction

Biscayne Bay Coastal Wetlands Project

- The District obtained FDEP and USACE construction and operating permit for the Biscayne Bay Coastal Wetlands Project Pilot Pump Test. The agency completed procurement of the temporary 40 cubic feet per second (cfs) project pump, manatee protection features, and monitoring equipment. Installation and operation of project features is scheduled to begin in October 2014.

Caloosahatchee River (C-43) West Basin Storage Reservoir Project

- The District initiated design of the early start phase elements, which includes developing a site preparation/demolition plan for the early start footprint, and revising the design of the 195 cfs pump station and perimeter canal within the footprint of the Early Start Phase.

Picayune Strand Restoration Project

- The USACE completed construction and initiated commissioning of the Merritt Pump Station, continued construction of the Faka Union Pump Station, completed removal of

approximately 92 miles of road in the Faka Union Phase, and initiated construction of the Miller Pump Station and Tie-back Levee.

- The SFWMD completed all field work and design of the Manatee Mitigation Feature.

Indian River Lagoon – South, C-44 Reservoir and Stormwater Treatment Areas Project

- The SFWMD completed construction of the communications tower and interim spillway. The system discharge and STA construction is planned to commence in FY2015.
- The District initiated design on the Troup Indiantown Water Control District Permanent Pump Station Relocation, which is scheduled to be constructed in FY2015.
- The USACE completed construction of the intake canal, Citrus Boulevard Bridge, and C-133 Canal and Spillway; and continued design efforts for the reservoir.

Fran Reich Preserve - Site 1 Impoundment

- The USACE continued construction on the L-40 Levee reinforcement features.

Melaleuca Eradication and Other Exotic Plants

- The District completed successful transfer of the Melaleuca Mass Rearing Annex into the operations and maintenance (O&M) phase in December 2013. This is the first CERP project to be fully completed and transferred into O&M.

Other Activities

ASR Regional Study

- The SFWMD completed groundwater modeling, geotechnical, geophysical, and ecological studies of the effects of large-scale implementation of Aquifer Storage and Recovery (ASR) technology throughout South Florida and prepared the final Technical Data Report (TDR) for the project. The results from the CERP ASR Pilot Projects TDR (completed in early FY2014) were integrated into this report. The ASR Regional Study TDR has undergone agency review and is expected to be forwarded by the end of calendar year 2014 to the National Academy of Sciences for their review.

Western Everglades Restoration

- The District developed an interagency planning matrix to help identify potential program funding sources for water quality, water supply, and flood control projects; created a central repository and accumulated pertinent studies and data needed for planning and design in Western Basins and Big Cypress areas; and initiated discussion of possible scope and federal/state format for appropriate planning and implementation approach.

Decomartmentalization Physical Model

- The S-152 culvert structure and canal backfilling and levee gap features were completed in October 2013, and the first high-flow event occurred from November to December 2013. Sheetflow velocities were increased and matched those of historical velocities (> 3 centimeters per second, or cm/s) in areas downstream of S-152, meeting a key project objective. Sediment movement, flow direction, soil and floc characteristics, canal sediment deposition, fish distributions, and periphyton types were monitored during and after the high-flow event. Preliminary data analyses and comparisons with baseline

(low-flow) data (2010–2012) were conducted and indicated positive effects of sheetflow on sediment movement in marsh and canal habitats. In 2014, the FDEP approved a Decomposition Physical Model permit modification, which established a new expiration date of January 9, 2017, and an additional month of flow in 2015 and 2016, if water quality constraints are not exceeded.

CERP Cost-Share Monitoring

- The District updated the cost-share balance status to reflect spending through FY2014; the designated amounts were agreed upon by the USACE.

Information and Data Management

- The District assessed the CERPZone application software for consolidation to reduce programmatic costs. Multiple alternatives for attaining federal security compliance have been assessed and consensus has been reached to relocate all of CERPZone to the SFWMD. A transitional plan was drafted and is being implemented; USACE contract support was extended to March 31, 2014, to provide transitional services. CERPZone applications have been prioritized based on business needs. Hardware and software inventories have been completed, and efforts are under way to determine possible software consolidation to reduce programmatic costs.
- The SFWMD initiated the update of the Data Management Project Management Plan to reflect new agency responsibilities.
- The District continued web migration of www.evergladesplan.org to the new website, www.evergladesrestoration.gov; previous web pages have been consolidated by 75 percent, and over 60 percent of the remaining pages have been converted to the new site. The agency also completed Phase 1 of the www.CERPZone.org website redesign.

LITERATURE CITED

- USACE. 2010. 2010 Report To Congress (Draft). U.S. Army Corps of Engineers, Jacksonville, FL. On-line at www.evergladesplan.org/pm/program_docs/cerp_reports_congress.aspx.
- USACE and SFWMD. 1999. Central and Southern Florida Project Comprehensive Review Study, Final Integrated Feasibility Report and Programmatic Environmental Impact Statement, April 1999. U.S. Army Corps of Engineers, Jacksonville, FL and South Florida Water Management District, West Palm Beach, FL.